



Component Installation Guide SRM-MDM Catalog 7.02

Target Audience

- Technology Consultants
- System Administrators

INTERNAL

Document version: 1.15 – 2011-11-08

Document History



CAUTION

Before you start the implementation, make sure you have the latest version of this document.

You can find the latest version at the following location: <http://service.sap.com/instguides>.

The following table provides an overview of the most important document changes.

Version	Date	Description
[1.15]	2011-11-08	Initial Version

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1 Introduction

1.1 About this Document

Purpose

The SRM-MDM Catalog business scenario provides a solution for creating, maintaining, and managing catalog content in your e-procurement application.

This guide is intended for technology consultants and system administrators. It describes the planning and preparation required for installation, the installation itself, and post-installation steps.

Integration

You can use the SRM-MDM Catalog with SAP SRM (release 7.01 and higher) and SAP enhancement package 4 for SAP ERP 6.0.

SRM-MDM Catalog Components

Components	Required/Optional
SAP NetWeaver-MDM Server	Required
SAP NetWeaver - MDM Import Server	Required
SAP NetWeaver- MDM Java API	Required
SAP NetWeaver- MDM GUI Clients	Required
SAP NetWeaver- MDM Clix	Optional
SAP NetWeaver- MDM ABAP API	Optional
SAP NetWeaver- MDM Web UI	Optional
SAP NetWeaver- BP MDM Application	Optional
SAP NetWeaver- BP MDM Technology	Optional
SRM-MDM Catalog Business Content, that is the SRM-MDM Catalog Repository	Required
SRM-MDM Catalog UI (Java Web Dynpro)	Required
XI Content SRM-MDM Catalog	Optional
BP SRM-MDM Catalog (Web UI for Approver)	Optional

Installation Sequence and Usage Type Information

- Install the SAP NetWeaver Application Server Java (AS Java) **before** installing the SRM-MDM Catalog UI (Java Web Dynpro).
- **Optional Step**
Install the SAP NetWeaver Application Server Java (AS Java), SAP NetWeaver Enterprise Portal Core Components (EP Core) and SAP NetWeaver Enterprise Portal (EP) **before** installing the SRM-MDM Catalog and SAP Netweaver MDM Business Package.

■ Optional Step

Install SAP NetWeaver Process Integration (PI) **before** installing the SRM-MDM Catalog XI content.

- If you install usage type EP, you must install SAP NetWeaver Application Server Java (AS Java) and EP Core (EPC). The application sharing server is automatically installed with the usage type EP. For productive use, we recommend that you install the server as an optional standalone unit on a dedicated host as described in *Installation Guide* — *<your product> java on <OS>: <Database>*. For more information about SAP NetWeaver usage types and their interdependencies, see the Master Guide for SAP NetWeaver 7.0 on SAP Service Marketplace at ► service.sap.com/installMDM → *SAP NetWeaver 7.0* → *Installation* ◀

For restrictions, see SAP Note [852008](#).



CAUTION

You cannot install SAP NetWeaver Process Integration (PI) as an additional usage type with the procedure described in SAP Note [852008](#). You can only install an SAP system with PI as a new installation.

Constraints

This guide does not provide information about the installation of:

- SAP NetWeaver MDM components required for SRM-MDM Catalog.
For installation information, see ► service.sap.com/installMDM → *SAP NetWeaver 7.0* → *Installation* → *MDM 7.1* — *Installation Guide* ◀
- SAP NetWeaver Application Server Java (AS Java).
For installation information, see the SAP SRM or SAP ERP installation guides respectively at:
(For SAP SRM) ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP SRM* → *SAP SRM 7.0* ◀.
(For SAP ERP) ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP 6.0* → *SAP enhancement package 4 for SAP ERP 6.0* ◀
- SAP NetWeaver Enterprise Portal Core Components (EP Core) and SAP NetWeaver Enterprise Portal (EP).
For installation information, see ► service.sap.com/installMDM → *SAP NetWeaver 7.0* → *Installation* → *Installation Guide* — *SAP NetWeaver 7.0 SRx* ◀
- SAP NetWeaver Process Integration (PI).
For installation information, see ► service.sap.com/installMDM → *SAP NetWeaver 7.0* → *Installation* → *Installation Guide* — *SAP NetWeaver 7.0 SRx* ◀
- SRM-MDM Catalog cconfiguration. SAP Solution Manager contains all the information necessary to configure your SAP Solution.
In SAP Solution Manager (Business Process Repository), choose SAP SRM from the *Solutions/Applications*. Choose the appropriate release. In *Configuration Structures*, you find the basic configuration

settings required for the catalog, and in *Scenarios*, you find information about configuration required for the business process steps. For information about the correct Solution Manager Content for SAP SRM 7.0, see SAP Note [877235](#).

1.2 SAP Notes for the Installation

You must read the following SAP Notes before you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation. Make sure that you have the up-to-date version of each SAP Note, which you can find on SAP Service Marketplace at service.sap.com/notes.

SAP Notes

SAP Note Number	Title	Description
1585352	Procurement Catalog 7.02 Installation and Configuration	Additional information or important updates for installation and configuration of SRM-MDM Catalog 7.02.
1138862	SRM-MDM Catalog Performance	Important information about factors that influence the performance of the SRM-MDM Catalog.
1170807	SearchUI: Handling of Master/Slave	This note explains how the SRM-MDM Catalog Search UI handles a setup of one master repository and one or more slave repositories. The master and slave repositories can reside on MDM servers that run on different hosts.
1174354	Guidelines for Reporting Bugs	Important information for an effective and fast correction process (SP-independent).
1077701	SRM-MDM Catalog: FAQ	Frequently asked questions and answers.
1250442	Service Hierarchy Import into SRM-MDM Catalog	Information about SAPSRM and SAPERP files, XI handling and MDM Import Server Ports.
1468349	Installation Options with SAP NetWeaver 7.3 (for Java Hubs)	This note describes which applications can run on a hub system with SAP NetWeaver 7.3 and as of which start release or SAP Enhancement Package this is possible.

1.3 Information Available on SAP Service Marketplace

More information is available as follows on SAP Service Marketplace.

Documentation

Description	Internet Address	Title
SRM-MDM Catalog 7.02 Sizing Guide	service.sap.com/pam	SRM-MDM Catalog 7.02 Sizing Guide

Description	Internet Address	Title
SRM-MDM 7.02 Upgrade Guide	► service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP SRM</i> → <i>SAP SRM Server 7.02</i> ◀	SRM-MDM Catalog 7.02 Upgrade Guide
SAP NetWeaver MDM documentation center comprising all MDM installation, upgrade, configuration, and so on documentation	service.sap.com/installMDM	SAP NetWeaver MDM Installation & Implementation Documentation Center
SAP NetWeaver 7.0 Installation Guides	► service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP NetWeaver</i> → <i>SAP NetWeaver 7.0</i> ◀	Installation Guide - SAP NetWeaver 7.0 SR3 Installation Guide - SAP NetWeaver 7.0 SR2
SAP ERP Master Guide and Installation Documentation	► service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP ERP</i> → <i>SAP ERP 6.0</i> → <i>SAP enhancement packages for SAP ERP 6.0</i> → <i>SAP enhancement package 4 for SAP ERP 6.0</i> ◀	SAP enhancement package 4 for SAP ERP 6.0 Installation Information
SAP SRM Master Guide and Installation Guides	► service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP SRM</i> → <i>SAP Server 7.01</i> ◀	SAP SRM Installation Information
SRM-MDM Catalog Business Scenario Description	► help.sap.com → <i>SAP Business Suite</i> → <i>SAP Supplier Relationship Management</i> → <i>SAP Catalog Content Management</i> ◀	Catalog Content Management

General Quick Links

Description	Internet Address
SAP Help Portal	help.sap.com
SAP Notes	service.sap.com/notes
Released platforms and operating systems	service.sap.com/platforms
System sizing	service.sap.com/sizing
Security	service.sap.com/security

1.4 Naming Conventions

Throughout this document the following naming conventions apply.

Terminology

Java System refers to SAP NetWeaver Application Server Java 7.0

SRM-MDM Catalog refers to SRM-MDM Catalog 3.0 or later support package (SP).

SAP SRM refers to SAP SRM 7.0 or higher.

SAP ERP refers to SAP enhancement package 4 for ERP 6.0.

SAP NetWeaver Application Server Java (AS Java) refers to SAP NetWeaver Application Server Java 7.0

SAP NetWeaver Master Data Management (SAP NetWeaver MDM) refers to SAP NetWeaver Master Data Management 7.1

SAP NetWeaver PI refers to SAP NetWeaver Process Integration 7.0

SAP NetWeaver EP refers to SAP NetWeaver Enterprise Portal 7.0

MDM Server refers to SAP NetWeaver Master Data Management 7.1 Server

MDM Import Server refers to SAP NetWeaver Master Data Management 7.1 Import Server.

SAP AS ABAP refers to SAP NetWeaver Application Server ABAP 7.0

XI content refers to content for SAP NetWeaver Process Integration 7.0

Variables

Variables	Description
<SAPSID>	SAP system ID in uppercase letters
<sapsid>	SAP system ID in lowercase letters
<DBSID>	Database ID in uppercase letters
<dbsid>	Database ID in lowercase letters
<INSTDIR>	Installation directory for the SAP system
<CD_DIR>	Directory on which a CD is mounted
<DVD_DIR>	Directory on which a DVD is mounted
<OS>	Operating system name within a path
<host_name>	Name of the corresponding host
<user_name>	Home directory of the user performing the installation

The following examples show how the variables are used:

Log on as user <sapsid>adm and change to the directory /usr/sap/<SAPSID>.

If your SAP system ID is C11, log on as user C11adm and change to the directory /usr/sap/c11.

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2 Planning

Process Flow

1. Plan your SAP system landscape as described in the SRM-MDM Catalog, SAP SRM, or SAP ERP Master Guides.



RECOMMENDATION

See the Technical Infrastructure Guide – SAP NetWeaver 7.0 available on SAP Service Marketplace at: ► service.sap.com/installMDM → SAP NetWeaver 7.0 ◀

2. Choose your basic system variants.
For more information, see *Planning Basic System Variants* [page 11]
3. Plan the installation of the SAP NetWeaver Application Server Java (AS Java).
For more information, see *Installation Planning for SAP NetWeaver Application Server Java (AS Java)* [page 15]
4. Plan the installation of SAP NetWeaver MDM Components for the SRM-MDM Catalog.
For more information, see *Installation Planning of SAP NetWeaver MDM Components* [page 15]
5. Identify the basic parameters for the SRM-MDM Catalog repository.
For more information, see *Identify Basic Parameters for SRM-MDM Catalog Repository* [page 15]

The following planning activities are optional:

6. Plan the installation of multiple components in one database.
For more information, see *Installation of Multiple Components in One Database (Optional)* [page 33]
7. Plan the installation of SAP NetWeaver MDM ABAP API.
For more information, see *Installation Planning of SAP NetWeaver MDM ABAP API (Optional)* [page 16]
8. Plan the use of SAP NetWeaver PI.
For more information, see *Planning for Use of SAP NetWeaver PI (Optional)* [page 16]
9. Plan the use of SAP NetWeaver EP.
For more information, see *Planning for Use of SAP NetWeaver EP (Optional)* [page 16]

2.1 Planning Basic System Variants

This section provides information about the basic system variants for an SRM-MDM Catalog system and information about the possible ways of distributing components between the basic system variants. Mandatory instances of an SRM-MDM Catalog system are a Java system with the central instance, the central services instance, the database instance, the MDM Server, and MDM Import Server.

The Java central services instance is named an SCS instance. Optionally, you can install one or more dialog instances. Each instance can reside on a separate host.

Distribution of Components

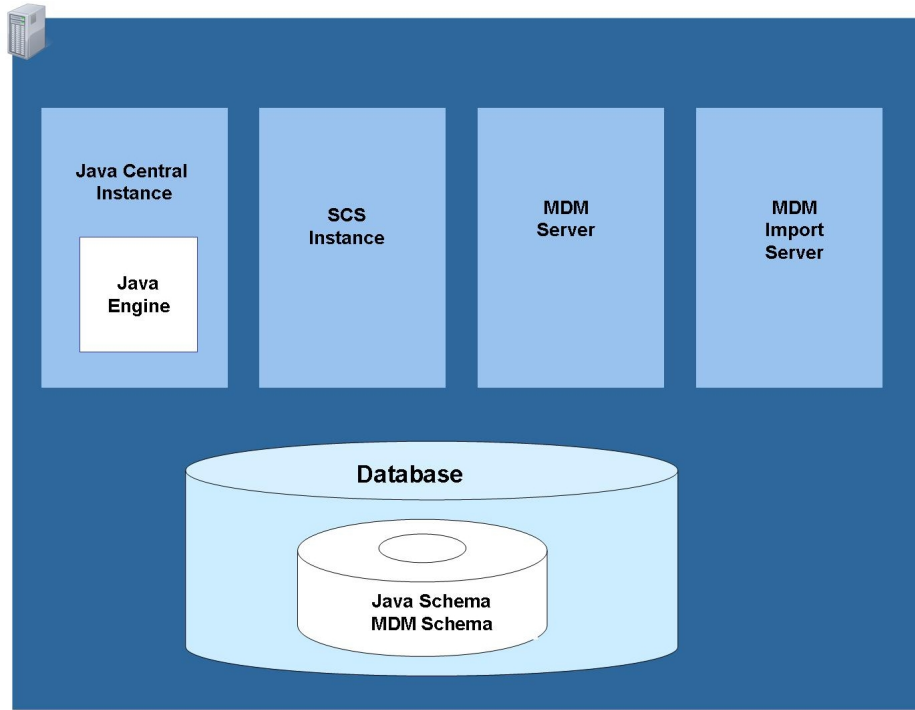


Figure 1: Feasible minimum system distribution with required components (that is without SAP NetWeaver EP and SAP NetWeaver PI)

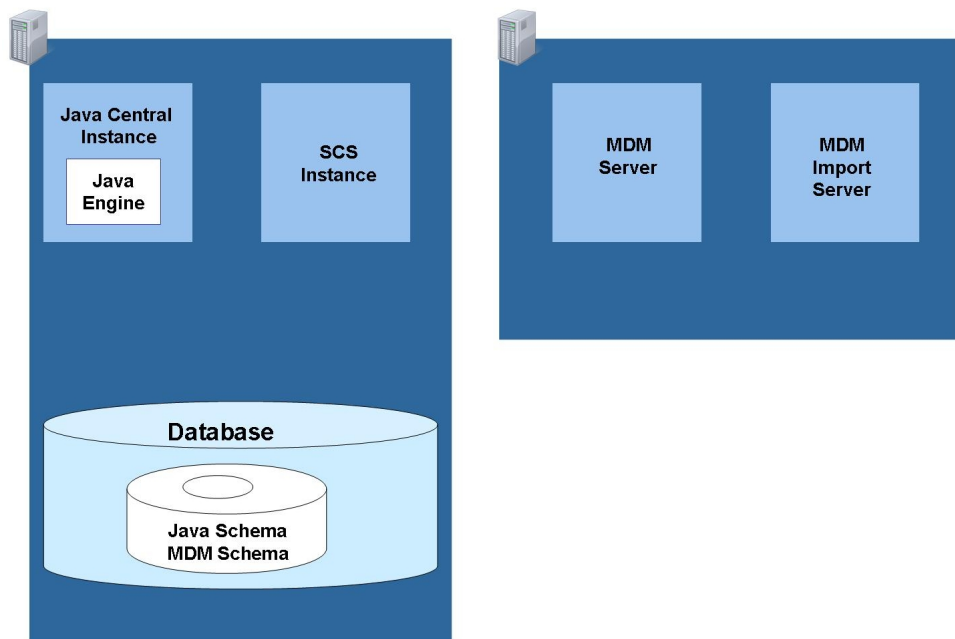


Figure 2: Recommended minimum system distribution with required components (that is without SAP NetWeaver EP and SAP NetWeaver PI)

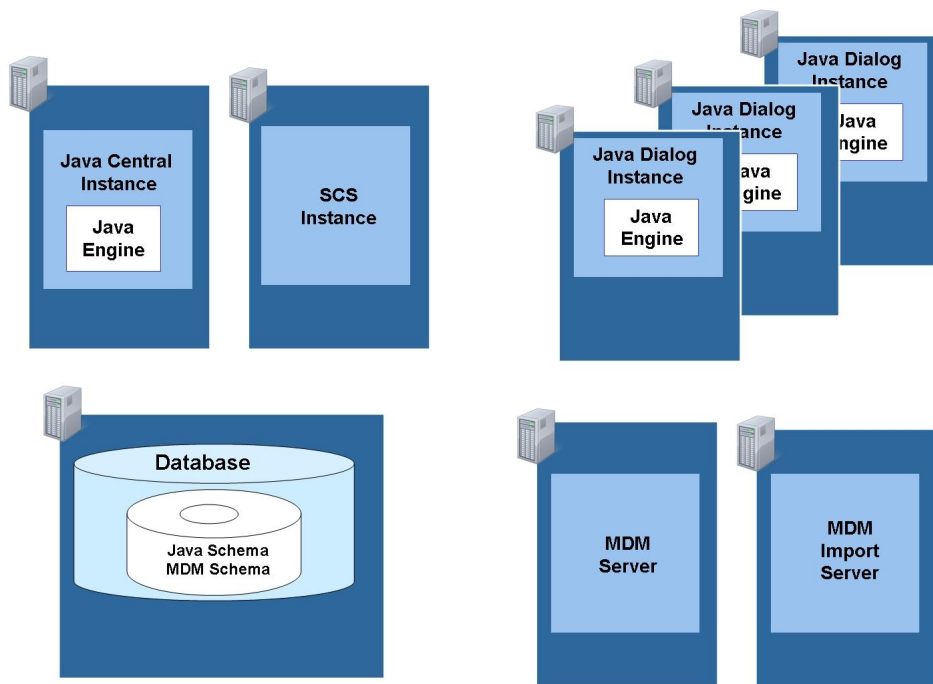


Figure 3: Maximum distribution for a distributed system with required components (that is without SAP NetWeaver EP and SAP NetWeaver PI) and one SAP NetWeaver MDM server.

For a maximum system distribution, each component and instance resides on a separate host.

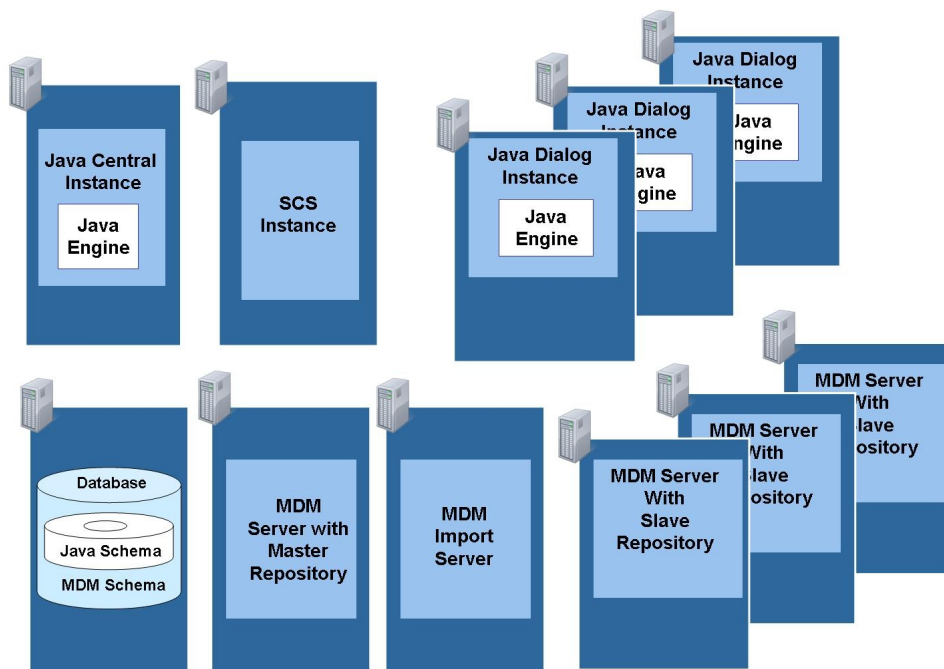


Figure 4: Maximum distribution for a distributed system with required components (that is without SAP NetWeaver EP and SAP NetWeaver PI) and multiple SAP NetWeaver MDM servers (one with master repository, others with slave repositories)

For a maximum system distribution, each component and instance resides on a separate host. A master repository allows for read and write access but a slave repository allows for read access only. See SAP Note [1170807](#) for details on how the SRM-MDM Catalog Search UI can make use of master and slave repositories.



NOTE

SAP NetWeaver EP and SAP NetWeaver PI reside on separate dedicated hosts.

For more details, see the SAP NetWeaver EP and SAP NetWeaver PI installation guides.

2.1.1 SAP NetWeaver Application Server Java (AS Java)

For information on basic system variants for an SAP NetWeaver Application Server Java system within an SAP SRM or an SAP ERP installation, see the respective installation guide:

SAP SRM Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP SRM → SAP SRM Server 7.02 ◀

SAP ERP Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP ERP → SAP ERP 6.0 → SAP enhancement packages for SAP ERP 6.0 → SAP enhancement package 5 for SAP ERP 6.0 ◀

2.1.2 SAP NetWeaver MDM

For information on planning the distribution of SAP NetWeaver MDM components, see the SAP NetWeaver MDM Installation Guide on SAP Service Marketplace at ► service.sap.com/installMDM → MDM 7.1 — Installation Guide. ◀

More Information

See the SAP NetWeaver Installation Guide for more information on SAP Service Marketplace at

► service.sap.com/installMDM → SAP NetWeaver 7.0 → Installation → Installation Guide — SAP NetWeaver 7.0 SRx ◀

2.2 Installation Planning for SAP NetWeaver Application Server Java (AS Java)

Procedure

For information on planning the distribution of instances to host the SAP NetWeaver Application Server Java system within an SAP SRM or an SAP ERP installation, see the respective installation guide:

SAP SRM Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP SRM Server 7.02 → Installation Guides - SAP SRM 7.0 EHP2 ◀

SAP ERP Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP ERP → SAP ERP 6.0 → Installation → SAP enhancement packages for SAP ERP 6.0 → SAP enhancement package 5 for SAP ERP 6.0 ◀

2.3 Installation Planning For SAP NetWeaver MDM Components

Procedure

For information on planning the distribution of SAP NetWeaver MDM components, see the SAP NetWeaver MDM Installation Guide on SAP Service Marketplace at ► service.sap.com/instguides → SAP NetWeaver → SAP NetWeaver 7.0 → SAP NetWeaver MDM → MDM 7.1 — Installation Guide ◀.



NOTE

SAP NetWeaver MDM Server and Import Server require the following ports to be accessible:

- MDM Server uses ports 20003, 20004, 20005 (always)
- MDM Import server uses 20003 and 20009

The port numbers for MDM Server and MDM Import Server cannot be changed.

2.4 Identify Basic Parameters for SRM-MDM Catalog Repository

Procedure

Identify the following basic parameters for your SRM-MDM Catalog Repository:

- Repository Name

For the SRM-MDM Catalog Search UI to function properly, the repository name must not contain any spaces or special characters except for an underscore.

- Repository Port

Ensure that this port is accessible from the host that runs your SAP NetWeaver AS Java installation.

- Required Languages

The delivered SRM-MDM Catalog repository contains 23 languages. If you restrict the languages to those you require, this enhances performance.

If, at any point, you need to add additional languages, see SAP Note [1084526](#).

2.5 Installation Planning for SAP NetWeaver MDM ABAP API (Optional)

The MDM ABAP API provides an interface for accessing SAP MDM 7.1 using ABAP. This interface is easy to configure and convenient to use. It is optimized for ABAP developers and available using ABAP Objects and function modules (partly remote-enabled). In addition to the core services performed on the records (create, retrieve, update, delete, query, and so on), metadata (such as tables and fields) and administrative functions (such as the repository) are delivered.

For more information, see SAP Service Marketplace at ► service.sap.com/installmdm → Operations → MDM 7.1 ◀

Prerequisites

Your ABAP system must be SAP AS ABAP 6.40 or 7.00.

Procedure

1. Check the kernel patch level of your ABAP system. Information on the mandatory kernel patch level is available on SAP Service Marketplace at ► service.sap.com/installmdm → Operations → MDM 7.1 ◀
2. Plan the installation of the required kernel patch level and plan the installation of MDM ABAP API in your ABAP system as an SAP Add-On.

2.6 Planning for Use of SAP NetWeaver EP (Optional)

The SRM-MDM Catalog provides a Web UI, based on SAP NetWeaver MDM iViews, for an approval process.

For more information, see the documentation *Enabling Web Approval Process with iViews* in SAP Solution Manager ► SAP SRM → Scenarios → Catalog Content Management → Business Processes → Managing Product Content in SRM-MDM Catalog → Approve Product Data ◀

Prerequisites

You have an SAP NetWeaver EP 7.3 installation with Knowledge Management and Collaboration (KMC) to use the Universal Worklist (UWL) functionality.

Procedure

1. Read the section *Technical Description and Configuration Information* in the document *MDM Portal Business Package* available in the MDM Documentation Center on SAP Service Marketplace at service.sap.com/installmdm
2. Plan the installation of SAP NetWeaver MDM Business Packages and the SRM-MDM Catalog Business Package.

2.7 Planning for Use of SAP NetWeaver PI (Optional)

The SRM-MDM Catalog scenario uses SAP NetWeaver PI for the transfer of product data and contract data from SAP SRM or SAP ERP respectively.

Prerequisites

You have an SAP NetWeaver PI 7.3 installation.

Procedure

1. If you want to use the SRM-MDM Catalog with SAP SRM, check if the delivered BAdI implementation for additional contract data is of any use to you.
For more information, see ► help.sap.com → *SAP Business Suite* → *SAP Catalog Content Management* → *SRM-MDM Catalog 3.0* ➔, section *Import of Products, Contracts, and Suppliers from SAP Supplier Relationship Management (SRM)*.
2. Plan the installation of XI content for the SRM-MDM Catalog.

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3 Preparation

Complete the following preparation steps:

Process Flow

1. Check the hardware and software requirements.
For more information, see *Preparation of Hardware and Software Requirements* [page 19]
2. Complete preparation for installation of SAP NetWeaver Application Server Java (AS Java).
For more information, see *Installation Preparation of SAP NetWeaver Application Server Java (AS Java)* [page 20]
3. Complete preparation for installation of SAP NetWeaver MDM components for the SRM-MDM catalog.
For more information, see *Installation Preparation of SAP NetWeaver MDM Components for SRM-MDM Catalog* [page 20]
4. Download installation files for the SRM-MDM Catalog of most current Support Package (SP) with latest patch level from SAP Service Marketplace.
For more information, see *Preparation of Download Installation Files for SRM-MDM Catalog from SAP Service* [page 21]

The following preparation activities are optional:

5. Complete preparation for installation of SAP NetWeaver MDM ABAP API.
For more information, see *Installation Preparation of SAP NetWeaver MDM ABAP API (Optional)* [page 21]
6. Complete preparation for use of SAP NetWeaver PI.
For more information, see *Preparation for Use of SAP NetWeaver PI* [page 21]

3.1 Preparation of Hardware and Software Requirements

You check that your hosts meet the hardware and software requirements for your operating system and the SAP instances.



CAUTION

If your hosts do not fully meet the requirements, you might experience problems when working with the SAP system.

Prerequisites

Contact your Operating System (OS) vendor for the latest OS patches.

3.2 Installation Preparation for SAP NetWeaver Application Server Java (AS Java)

Make sure that the host name meets the requirements listed in SAP Note [611361](#).

Procedure

1. Check the Product Availability Matrix on SAP Service Marketplace as service.sap.com/pam for supported operating system releases.



NOTE

Check the Product Availability Matrix for SAP SRM or SAP ERP, and for SAP NetWeaver MDM.

2. Check the hardware and software requirements for SAP NetWeaver Application Server Java (AS Java) in the relevant installation guide of SAP SRM or SAP ERP:
 SAP SRM Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP SRM* → *SAP SRM Server 7.02* ◀
 SAP ERP Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP 6.0* → *SAP enhancement package 5 for SAP ERP 6.0* — *Installation Documentation* ◀
3. Check the hardware and software requirements for SAP NetWeaver MDM components as described in the SAP NetWeaver MDM Installation Guide on SAP Service Marketplace at
 ► service.sap.com/installMDM → *MDM 7.1 — Installation Guide*. ◀
4. Check the SRM-MDM Catalog Sizing Guide for an appropriate hardware sizing. For more information, see the *SRM-MDM Catalog 7.02 Sizing Guide* on SAP Service Marketplace at
 ► service.sap.com/sizing ◀

3.2 Installation Preparation for SAP NetWeaver Application Server Java (AS Java)

Procedure

For information on all the required preparation steps, see the SAP SRM or the SAP ERP Installation Guide respectively:

SAP SRM Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP SRM* → *SAP SRM Server 7.02* ◀
 SAP ERP Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP* → *SAP enhancement package 4 for SAP ERP 6.0* — *Installation Documentation* ◀

3.3 Installation Preparation for SAP NetWeaver MDM Components for SRM-MDM Catalog

Procedure

For information about the required installation steps, see the SAP NetWeaver MDM Installation Guide on SAP Service Marketplace at ► service.sap.com/installMDM → *MDM 7.1 — Installation Guide*. ◀

3.4 Preparation for Download of Installation Files for SRM-MDM Catalog from SAP Service Marketplace

The SRM-MDM Catalog Support Packages and Patches always include the full set of all SRM-MDM Catalog components.

Use the latest patch level of the most current Support Package of the SRM-MDM Catalog that is available from SAP Service Marketplace at ► service.sap.com/swdc → Download → Support Packages and Patches → Search for Support Packages and Patches ◀

Prerequisites

You need a user for SAP Service Marketplace.

Procedure

1. Enter *SRM-MDM Catalog 7.02* as the search term and choose *Search*.
2. Choose the link *SRM-MDM Catalog 7.02*.
3. Choose ► *SRM-MDM Catalog 7.02 → #OS independent* ◀.
4. Select the relevant download objects and add them to the *Download Basket*.

You have to download the following objects:

- SRM-MDM Catalog 7.02 SP <latest support package> Patch<latest patch> OS-Independent basis
- SRM-MDM Catalog 7.02 <latest support package> Patch<latest patch> for <OS on which you want to make the installment>

3.5 Installation Preparation for SAP NetWeaver MDM ABAP API (Optional)

Procedure

For information on all the required preparation steps, see the MDM 7.1 – ABAP API guide on SAP Service Marketplace at ► service.sap.com/installMDM → Operations → MDM 7.1 – ABAP API ◀

3.6 Preparation for Use of SAP NetWeaver PI (Optional)

The XI Content of SRM-MDM Catalog support packages and Patches always includes the full content. Use the most current XI Content support package for the SRM-MDM Catalog, available on SAP Service Marketplace at ► service.sap.com/swdc → Download → Support Packages and Patches → Search for Support Packages and Patches ◀

Prerequisites

You need a user for SAP Service Marketplace.

Procedure

1. Enter *XI CONTENT SRM-MDM CATALOG** as the search term and choose *Search*.
2. Choose the link *XI CONTENT SRM-MDM CATALOG 702*.
3. Choose *XI CONTENT SRM-MDM CATALOG 702 #Database independent*.
4. Select the relevant download object and add it to the *Download Basket*.

3.7 Preparation for Use of SAP NetWeaver EP (Optional)

The BP SRM-MDM Catalog of SRM-MDM Catalog support packages and patches always includes the full content. Use the BP SRM-MDM Catalog of the most current support package for the SRM-MDM Catalog, available on SAP Service Marketplace at ► service.sap.com/swdc → *Download* → *Support Packages and Patches* → *Search for Support Packages and Patches* ◀

Prerequisites

You need a user for SAP Service Marketplace.

Procedure

Download the object SRM-MDM Catalog 7.02 SP<latest SP> Patch <latest patch for the SP>

More Information

For more information, see *Installation of BP SRM-MDM Catalog (Optional)* [page 26]

4 Installation

Make sure that you have completed all the activities listed in *Planning* [page 11] and *Preparation* [page 19] before you start the installation.

Process Flow

1. Installation of SAP NetWeaver Application Server Java (AS Java).
For more information, see *Installation of SAP NetWeaver Application Server Java (AS Java)* [page 23]
2. Installation of SAP NetWeaver MDM Components for SRM-MDM Catalog.
For more information, see *Installation of SAP NetWeaver MDM Components* [page 24]
3. Installation of SRM-MDM Catalog Repository.
For more information, see *Installation of SRM-MDM Catalog Repository* [page 24]
4. Installation of the SRM-MDM Catalog UI (Web Dynpro).
For more information, see *Installation of SRM-MDM Catalog UI (Web Dynpro)* [page 25]

The following preparation activities are optional:

5. Import of SAP NetWeaver PI Content for SRM-MDM Catalog.
For more information, see *Import of SAP NetWeaver PI Content (Optional)* [page 26]
6. Apply SAP Note 976518 to SAP SRM system.
For more information, see *Apply SAP Note 976518 to SAP SRM System (Optional)* [page 26]
7. Installation of BP SRM-MDM Catalog.
For more information, see *Installation of BP SRM-MDM Catalog (Optional)* [page 26]

4.1 Installation of SAP NetWeaver Application Server Java (AS Java)

Procedure

For information on installation steps, see the respective SAP SRM 7.0 and SAP enhancement package 4 for SAP ERP 6.0 installation guides:

SAP SRM Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP SRM → SAP SRM Server 7.02 ◀

SAP ERP Installation Guide: ► service.sap.com/instguides → SAP Business Suite Applications → SAP ERP → SAP ERP 6.0 → SAP enhancement packages for SAP ERP 6.0 → SAP enhancement package 4 for SAP ERP 6.0 — Installation Documentation ◀

4.2 Installation of SAP NetWeaver MDM Components

Procedure

Locate the SAP NetWeaver MDM components for the SRM-MDM Catalog in directories Servers, MDM GUI CLIENTS, MDM JAVA API, MDM CLIX, MDM WEB UI, BP MDM APPLICATION, and BP MDM TECHNOLOGY on your installation CD for SRM-MDM Catalog, or in the latest patch of the most current Support Package for the SRM-MDM Catalog. This is available as a download from SAP Service Marketplace at service.sap.com/swdc.

You download the SAP NetWeaver MDM ABAP API from the SAP Solution Manager's Maintenance Optimizer on SAP Service Marketplace at service.sap.com/support-infrastructure

For information on the required installation steps, see the SAP NetWeaver MDM installation guide on SAP Service Marketplace at service.sap.com/instguides → *SAP NetWeaver* → *SAP NetWeaver 7.0* → *SAP NetWeaver MDM* → *MDM 7.1 — Installation Guide*. ↩



NOTE

Only the following SAP NetWeaver MDM components are relevant for the SRM-MDM Catalog:

Mandatory MDM components

- MDM Server
- MDM Import Server
- MDM Console
- MDM Data Manager (including MDM Workflow)
- MDM Import Manager
- MDM Language Selector
- MDM Connector and MDM Java API

Optional MDM Components

- MDM ABAP API
- MDM Web UI
- MDM Portal Content (contains BP MDM Application and BP MDM Technology)
- MDM Clix

4.3 Installation of the SRM-MDM Catalog Repository

The SRM-MDM Catalog is delivered with a dedicated repository. The SRM-MDM Catalog search UI relies on a certain repository model. You can add fields to the SRM-MDM Catalog repository model but you are not allowed to change or remove fields in the delivered repository model.

You can find the repository *a2u* file in directory *Business_Content* on your Installation CD or in the latest patch of the most current Support Package that you downloaded from SAP Service Marketplace at service.sap.com/swdc

Prerequisites

Store the repository *a2a* file in directory *Drive\usr\sap\<Instance name>\MDS00\mdm\archives*. If this directory does not exist, create it manually, for example, (Windows): *C:\usr\sap\MDM\MDS00\mdm\archives*.

Procedure

1. Open MDM Console
2. Mount your MDM Server: ► *MDM Servers* → *Mount MDM Server* ◀
3. Start the MDM Server, if it is not already running.
Select the relevant MDM Server and choose ► *MDM Servers* → *Start MDM Server* ◀
4. Unarchive the delivered SRM-MDM Catalog repository.
Select the relevant MDM Server and choose ► *Repositories* → *Unarchive..* ◀
Specify DBMS Server, including login and password.
Set the repository name, for example, *SRM_MDM_Catalog*.
Select the archive file, which is the name of the *a2a* file without extension.
5. Start the repository after the un-archiving is successfully completed.
Select the repository and choose ► *Repositories* → *Load* → *Update Indices* ◀
6. Set property *Socket Read Timeout MS=0* in *mds.ini* for the repository.



NOTE

You need to restart MDM server to make this change effective.

Optional Steps

7. Create slave repository/repositories.
Select the relevant repository in MDM Console and choose ► *Repositories* → *Connect.* ◀. You can logon with default user *Admin* that does not require a password.
Choose ► *Repositories* → *Create Slave* ◀ and enter all required information.



RECOMMENDATION

If you plan enhancing the delivered SRM-MDM Catalog repository model and loading a significant amount of catalog items, we recommend that you perform the setup of slave repositories once you have completed the initial load of your repository. The creation of a slave is faster than reapplying changes to slaves via synchronization.

8. Set property *Socket Read Timeout MS=0* in *mds.ini* for all slave repositories.



NOTE

You need to restart the MDM server to make this change effective.

4.4 Installation of the SRM-MDM Catalog UI (Web Dynpro)

You can find the SRM-MDM Catalog Search UI in directory *SRM-MDM_Catalog_UI* on your installation CD or in the latest patch of the most current Support Package that you downloaded from SAP Service Marketplace at service.sap.com/swdc.

Prerequisites

You have access to the Java Support Package Manager (JSPM) of your SAP NetWeaver Application Server Java installation.

Procedure

1. Start JSPM.
2. Deploy SRMMDMCAT*.sca file

4.5 Import of SAP NetWeaver XI Content (Optional)

Perform this step if you want to use contract or product data replication from SAP SRM to SRM-MDM Catalog or from SAP ERP to SRM-MDM Catalog.

Prerequisites

You have sufficient authorization for SAP NetWeaver Process Integration.

Procedure

See SAP note [836200](#) for details about importing SAP NetWeaver PI content.

4.6 Apply SAP Note 976518 to SAP SRM System (Optional)

This step is only required if you want to transfer scale price and discount information from your contract in SAP SRM to SRM-MDM Catalog.

For more information, see the documentation, *Enriching Contract Data* in SAP Solution Manager under ► SAP SRM → Scenarios → Catalog Content Management → Business Processes → Managing Product Content in SRM-MDM Catalog → Transfer Contract Data from SRM ◀

Procedure

See [SAP Note 976518](#) for instructions.

4.7 Installation of BP SRM-MDM Catalog (Optional)

You can find the BP SRM-MDM Catalog in the directory BP SRM-MDM on your installation CD or in the latest patch of the most current support package that you downloaded from SAP Service Marketplace at service.sap.com/swdc.

Prerequisites

You have access to Java Support Package Manager (JSPM) of your SAP NetWeaver Application Server Java installation.

Procedure

1. Start JSPM.
2. Deploy BPSRMMDM*.sca file

4.8 Installation Options with SAP NetWeaver 7.3 (for Java Hubs)

For SAP Business Suite applications as of SAP Business Suite 7 that are based on an Application Server Java and on hub systems, you can install these applications on SAP NetWeaver 7.3. You can also change from your current release to SAP NetWeaver 7.3. Changing means upgrading or updating. The following approaches for system landscapes for SAP NetWeaver 7.3 are possible:

- Upgrading to SAP NetWeaver 7.3 works for hub systems.
- Embedded deployment continues to work only for SAP NetWeaver 7.0x releases and their enhancement packages (this means, for example, for SAP NetWeaver 7.00, SAP NetWeaver 7.01, and SAP NetWeaver 7.02).

For more information about the technical background, see SAP Note [1468349](#). There you can find a list of all the Java hubs that you can install on SAP NetWeaver 7.3.

**NOTE**

If you want to install Business Suite Java applications, we strongly recommend that you use SAP NetWeaver 7.3 as the platform for your hub systems.

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5 Post-Installation

Before you perform post-installation steps, read the release notes for the software components that you have installed and want to use for your IT scenario.

See SAP Service Marketplace at service.sap.com/releasesnotes.

You perform the following post-installation steps:

Process Flow

1. Perform the post-installation steps for SAP NetWeaver Application Server Java (AS Java).
For more information, see *Post-Installation Steps for SAP NetWeaver Application Server Java* [page 29]
2. Perform the post-installation steps for SAP NetWeaver MDM Components for SRM-MDM Catalog.
For more information, see *Post-Installation Steps for SAP NetWeaver MDM Components* [page 30]
3. Start the SRM-MDM Catalog utility.
For more information, see *Start SRM-MDM Catalog Utility* [page 30]
4. You may now start with the manual configuration of the SRM-MDM Catalog scenario.
For more information, see *Start With The Manual Configuration of SRM-MDM Catalog Scenario* [page 31]

5.1 Post-Installation Steps for SAP NetWeaver Application Server Java (AS Java)

Procedure

For information on post-installation steps, see the respective SAP SRM 7.0 and SAP enhancement package 4 for SAP ERP 6.0 installation guides:

SAP SRM Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP SRM* → *SAP SRM Server 7.02* ◀

SAP ERP Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP 6.0* → *SAP enhancement package 4 for SAP ERP 6.0* — *Installation Documentation* ◀

5.2 Post-Installation Steps for SAP NetWeaver MDM Components for the SRM-MDM Catalog

Procedure

For information about the required post-installation steps, see the SAP NetWeaver MDM Installation Guide on SAP Service Marketplace at ► service.sap.com/installMDM → *MDM 7.1 — Installation Guide*. ◀

5.3 Start the SRM-MDM Catalog Utility

Check with the SRM-MDM Catalog Utility that the connection between the SRM-MDM Catalog Search UI and the SRM-MDM Catalog repository on the MDM Server can be established.

Procedure

1. Open a Browser
2. Call SRM-MDM Catalog Utility via <http://<your AS Java host>:<your AS java http port>/webdynpro/dispatcher/sap.com/tc~mdm~srmdcat~uiutil/Utilities>
3. Choose the link *Connection Test*.
This is a tool for testing the connection between the SAP NetWeaver ASJava and the SAP NetWeaver MDM Server.
4. Enter MDM Server Host Name or Host IP.
Optional: Enter the port of your SRM-MDM Catalog repository.
If you do not enter a port, the test tool retrieves all mounted repositories. If you enter a port, the test tool tries to connect to the specified port explicitly.
5. Choose *Start Testing*
6. Check that the connection has been successful, as illustrated in the figure below.

```

Details:
=====
Host Address = <IP address of your host>
Host Name = <name of your host>
=====
Checking MDM Server Ports
Connection ok (port 20003, Time = 0 ms)
Connection ok (port 20004, Time = 0 ms)
Connection ok (port 20005, Time = 0 ms)
=====
Retrieving MDM JAVA API Version
Admin Version = 5.5.62.01 [Interface CRC=0xf3c104b6]
Build Version = 5.5.62.85
Content Version = 5.5.62.06 [Interface CRC=0x86541e49]
Meta Version \t= 5.5.62.00 [Interface CRC=0xab59b8dc]
=====
Building up connection to MDM Server 10.17.79.42
Retrieving MDM Server Version
Version = Version 5.5 SP6 (5.5.62.53)
=====
Retrieving mounted repositories

```

Figure 5: Successful Connection

5.4 Start With The Manual Configuration of SRM-MDM Catalog Scenario

Your installation is now complete. You can start with the configuration of SRM-MDM Catalog scenario.

Procedure

Carry out the configuration steps as described in the SAP Solution Manager under ► *SAP SRM*

→ *Configuration Structures* → *SAP SRM 7.0 EHP2* → *Basic Settings for SRM-MDM Catalog* ◀

and

► *SAP SRM* → *Scenarios* → *Catalog Content Management* ◀

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6 Additional Information

6.1 Installation of Multiple Components in One Database (Optional)

Procedure

For information on all the required preparation steps, see SAP SRM or SAP ERP Installation Guide respectively:

SAP ERP Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP 6.0* → *SAP enhancement package 4 for SAP ERP 6.0* — *Installation Documentation* ◀

SAP SRM Installation Guide: ► service.sap.com/instguides → *SAP Business Suite Applications* → *SAP SRM* → *SAP SRM Server 7.02* ◀

You can also install multiple SAP systems in a single database. This is called *Multiple Components in One Database* (MCOD).

6.2 Troubleshooting

This section lists common problems and solutions.

MDM Console cannot connect to database

A possible reason for this is that the DBMS settings are incorrect for your database:

- For MS SQL Server: Use Host or Named Instance
- For Oracle: Use Oracle Net Service Name as the DBMS Server
- For MaxDB: Use SID of database
- For DB2: Use CatalogID as listed in the configuration file of the DB2 client library

Problems with Oracle Listener

- Server.xml does not specify the exact problem
- Possible reasons are, for example, that the listener is not running or the library is missing

Installation with DB2

- MDM repository cannot be put in the same DB schema of another SAP instance

Connection test with SRM-MDM Catalog Utility fails

Possible reasons for this are:

6.2 Troubleshooting

- MDM Java API version does not match the MDM server version. Check the MDM server version and MDM Java API version.
- The required SAP NetWeaver MDM server ports are not accessible from SAP NetWeaver Application Server Java. Check that ports 20003, 20004, 20005 on the MDM server host are used by the MDM Server and not by another application, and that there is no firewall between MDM Server host and AS Java host that blocks the access for these ports.

A Reference

A.1 The Main SAP Documentation Types

The following is an overview of the **most important** documentation types that you need in the various phases in the life cycle of SAP software.

Cross-Phase Documentation

SAPterm is SAP's terminology database. It contains SAP-specific vocabulary in over 30 languages, as well as many glossary entries in English and German.

- Target group:
 - Relevant for all target groups
- Current version:
 - On SAP Help Portal at ► <http://help.sap.com> → *Glossary* ◀
 - In the SAP system in transaction STERM

SAP Library is a collection of documentation for SAP software covering functions and processes.

- Target group:
 - Consultants
 - System administrators
 - Project teams for implementations or upgrades
- Current version:
 - On SAP Help Portal at <http://help.sap.com> (also available as documentation DVD)

The **security guide** describes the settings for a medium security level and offers suggestions for raising security levels. A collective security guide is available for SAP NetWeaver. This document contains general guidelines and suggestions. SAP applications have a security guide of their own.

- Target group:
 - System administrators
 - Technology consultants
 - Solution consultants
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/securityguide>

Implementation

The **master guide** is the starting point for implementing an SAP solution. It lists the required installable units for each business or IT scenario. It provides scenario-specific descriptions of preparation,

A.1 The Main SAP Documentation Types

execution, and follow-up of an implementation. It also provides references to other documents, such as installation guides, the technical infrastructure guide and SAP Notes.

- Target group:
 - Technology consultants
 - Project teams for implementations
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **installation guide** describes the technical implementation of an installable unit, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- Target group:
 - Technology consultants
 - Project teams for implementations
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Configuration Documentation in SAP Solution Manager – SAP Solution Manager is a life-cycle platform. One of its main functions is the configuration of business scenarios, business processes, and implementable steps. It contains Customizing activities, transactions, and so on, as well as documentation.

- Target group:
 - Technology consultants
 - Solution consultants
 - Project teams for implementations
- Current version:
 - In SAP Solution Manager

The **Implementation Guide (IMG)** is a tool for configuring (Customizing) a single SAP system. The Customizing activities and their documentation are structured from a functional perspective. (In order to configure a whole system landscape from a process-oriented perspective, SAP Solution Manager, which refers to the relevant Customizing activities in the individual SAP systems, is used.)

- Target group:
 - Solution consultants
 - Project teams for implementations or upgrades
- Current version:
 - In the SAP menu of the SAP system under ► *Tools* → *Customizing* → *IMG* ◀

Production Operation

The **technical operations manual** is the starting point for operating a system that runs on SAP NetWeaver, and precedes the application operations guides of SAP Business Suite. The manual refers

A.1 The Main SAP Documentation Types

users to the tools and documentation that are needed to carry out various tasks, such as monitoring, backup/restore, master data maintenance, transports, and tests.

- Target group:
 - System administrators
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **application operations guide** is used for operating an SAP application once all tasks in the technical operations manual have been completed. It refers users to the tools and documentation that are needed to carry out the various operations-related tasks.

- Target group:
 - System administrators
 - Technology consultants
 - Solution consultants
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Upgrade

The **upgrade master guide** is the starting point for upgrading the business scenarios and processes of an SAP solution. It provides scenario-specific descriptions of preparation, execution, and follow-up of an upgrade. It also refers to other documents, such as upgrade guides and SAP Notes.

- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **upgrade guide** describes the technical upgrade of an installable unit, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Release notes are documents that contain short descriptions of new features in a particular release or changes to existing features since the previous release. Release notes about ABAP developments are the technical prerequisite for generating delta and upgrade Customizing in the Implementation Guide (IMG).

- Target group:

A.1 The Main SAP Documentation Types

- Consultants
- Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/releasenotes>
 - In the SAP menu of the SAP system under ► *Help* → *Release Notes* ◄ (only ABAP developments)

Typographic Conventions

Example	Description
<Example>	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, “Enter your <User Name>”.
► Example → Example ◀	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
Example	Words or characters that you enter in the system exactly as they appear in the documentation
http://www.sap.com	Textual cross-references to an internet address
/example	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456	Hyperlink to an SAP Note, for example, SAP Note 123456
Example	- Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. - Cross-references to other documentation or published works
Example	- Output on the screen following a user action, for example, messages - Source code or syntax quoted directly from a program - File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
EXAMPLE	Keys on the keyboard

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Documentation in the SAP Service Marketplace

You can find this document at the following address: <http://service.sap.com/instguides>

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